Motion Pixels Video For Windows
Installation & Playback
Version 2.1β

System Requirements

Minimum System Requirements	Recommended System Requirements
486 DX 66Mhz CPU	Pentium 75 MHz CPU or better
8 MB RAM	16 MB RAM or better
128K Cache Memory	256K Cache Memory or better
420 MB IDE Hard Disk	1 GB SCSI Hard Disk or better - AV Rated
1 MB VESA Local Bus Video Adapter	1 MB PCI Video Adapter or better
Quad-speed (4x) CD-ROM drive	Quad-speed (4x) SCSI CD-ROM Drive or better
Sound Blaster or 100% Compatible Sound Card	Sound Blaster or 100% Compatible Sound Card
DOS 5.0	DOS 6.0 or better
Microsoft Windows 3.1	Microsoft Windows 3.1, Workgroups for Windows 3.11, or Windows 95
Microsoft Video for Windows Runtime - Version 1.1d or 1.1e	Microsoft Video for Windows Runtime - Version 1.1d or 1.1e
A 14.4KB Modem with Internet Connection	A 28.8KB Modem with Internet Connection

Note: *A CD-ROM drive and a SCSI hard disk are not necessary when playing back video clips from the local hard drive.*

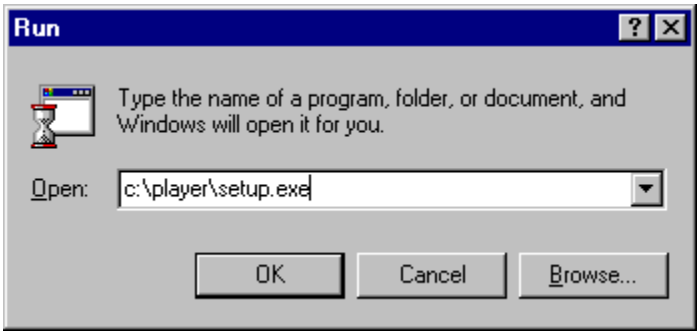
Note: *A fast modem will shorten the time to download video clips, documents, installation files etc.*

Program Setup

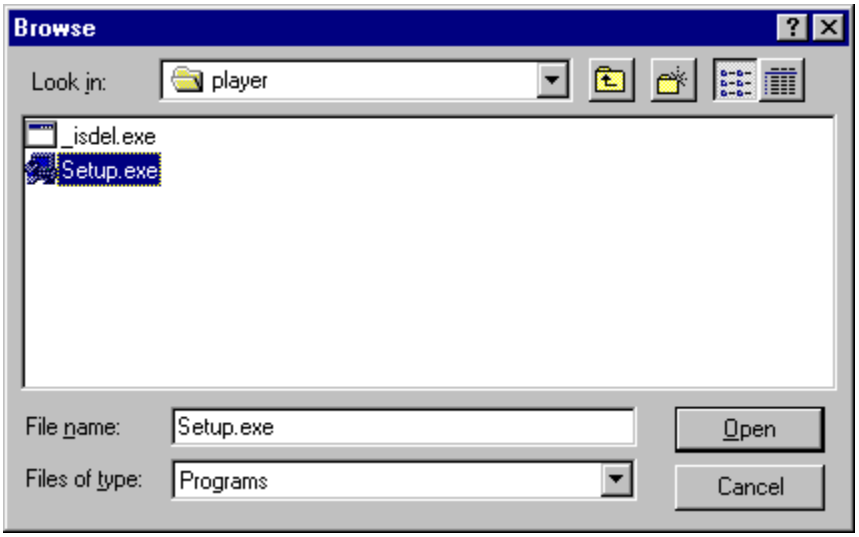
Note: *All files have the .ZIP extension. Use the PKUNZIP.EXE utility to decompress all files.*

The Motion Pixels Internet Web Site (**http://www.motionpixels.com**) contains all the necessary files to download. Download the file "PLAYER.ZIP"and uncompress it using the PKUNZIP utility.

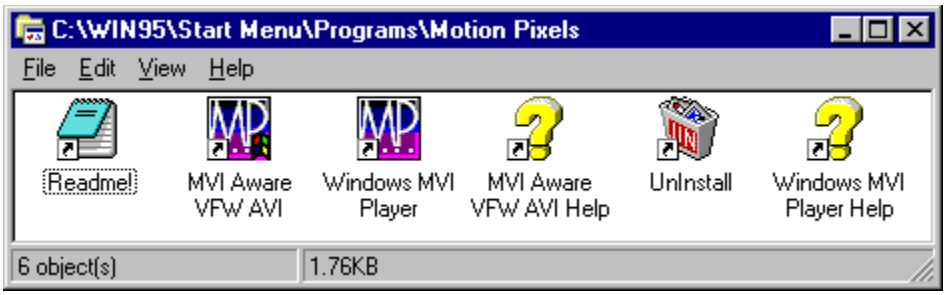
1. Go to the Windows Program Manager and click on File, then Run. The Run dialog box will appear.



2. In the Command Line dialog box, type in the directory and path where the Motion Pixels files have been downloaded. Click on the Browse button to search the drive and directory path.



3. Select the SETUP.EXE file, then click on OK. Follow the Motion Pixels setup instructions. The Motion Pixels Program Group should appear.



A list of the files that are included in the setup routine are:

MVIAware.exe	Motion Pixels Video Interface. Plays back Motion Pixels compressed Video for Windows AVI files with various resizing options.
MVIcodec.dll	Device driver file for Motion Pixels resizing playback.
MVIintro.bmp	Default image file loaded into the MVI player.
MVIplay.exe	Executable program for Motion Pixels Video Interactive. Works with WMVIplay.exe.
MVIplay.pif	Motion Pixels Video Interactive program information file. Use for DOS playback during Windows session.
MVIvxd.exe	Protected-mode device driver for MVI executable program.
Readme.txt	ASCII text file containing release information and uninstall instructions.
WMVIplay.exe	Motion Pixels Video Interactive full-screen only playback interface for playing .MVI files in a DOS session under Windows.
WMVIplay.hlp	Motion Pixels Video Interactive Windows help file.
MVIunins.exe	Motion Pixels uninstaller.

Other files that are available to download:

Video Clips	Various video snippets supplied by the Motion Pixels Web page to download. See the associated Web page for a list of available files.
Documentation	Various documents on playback, capture and compression, troubleshooting, etc. in Microsoft Word or Windows Write format.

Win32s Application	Microsoft's 32-bit protected mode software for use with the Motion Pixels Windows compressor under Windows 3.1 or Windows for Workgroups. Win32s can be found at FTP.MICROSOFT.COM/SOFTLIB/MSLFILES/WV1118.EXE
Video For Windows Windows for	Video playback application for Microsoft Windows 3.1 or Workgroups 3.11. The Video for Windows runtime files can be found at FTP.MICROSOFT.COM/SOFTLIB/MSLFILES/WV1160.EXE

Note: *The Video for Windows Runtime 1.1d or 1.1e is not required for MVI formatted files.*

Note: *The Win32s application is not necessary for Motion Pixels MVI playback. It is only required to do compression under Windows 3.1 or Windows for Workgroups 3.11. Run the SETUP.EXE supplied with the Win32s program and restart Windows.*

Note: *The Video for Windows Runtime 1.1d or 1.1e program must be properly installed on your system. Run SETUP.EXE supplied with the program, then restart Windows. Please test the sample clip that is supplied with the Runtime to assure that video playback is properly configured. Installation of Video for Windows is not necessary with Windows '95.*

Note: *The Win32s application is not necessary for Motion Pixels playback. It is only required to do compression under Microsoft Windows 3.1 or Windows for Workgroups 3.11. It is not required in Windows '95. Run the SETUP.EXE supplied with the program and restart Windows.*

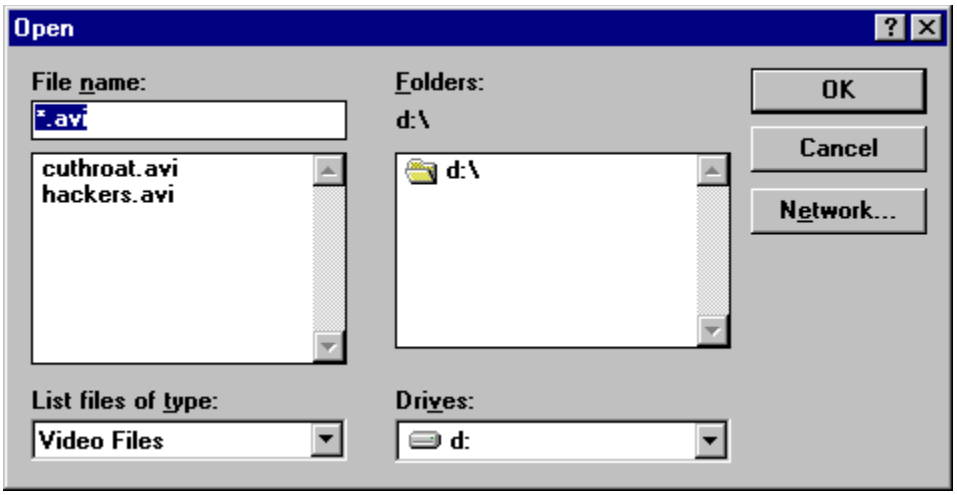
The section, "Windows Playback", provides details and procedures on how to play back Motion Pixels AVI formatted video clips using the MviAware application.

Windows Playback

1. Double-click on the MviAware icon in the installed Program Group. The MviAware toolbar will appear.

2. In the toolbar, select File, then Open New Video.

3. A list of AVI files should appear in the File Name directory box. If there are no files present, make sure that the correct Drive letter and Directories path are selected. Choose a video file to play back, then click OK.

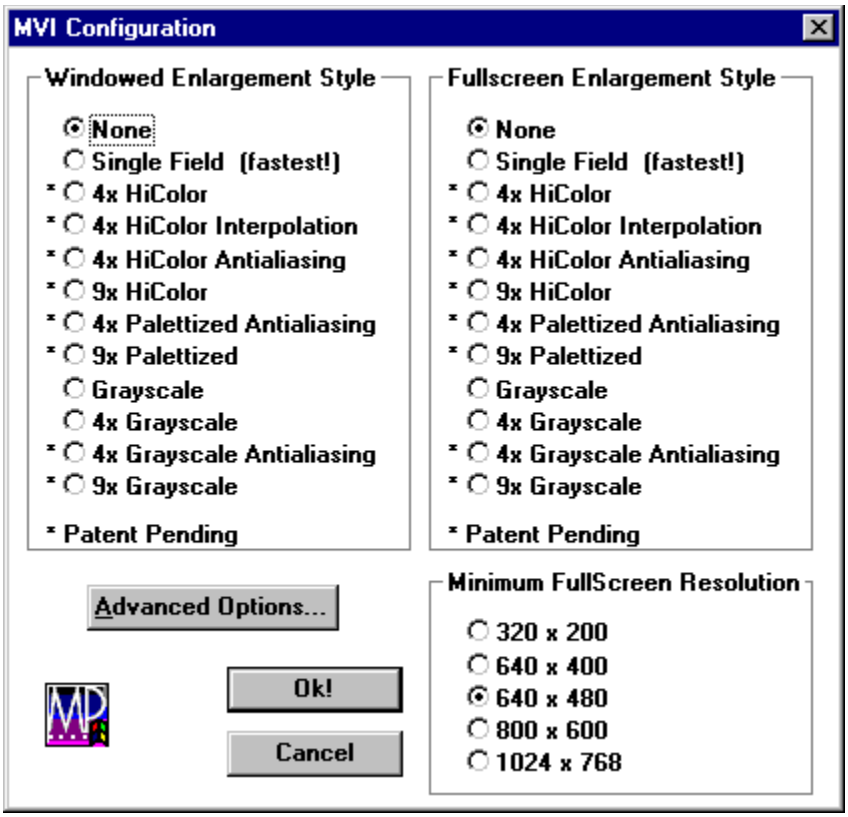


4. The Windows hourglass will appear while the AVI file loads into memory. A bitmapped image of the first frame of video will fill the playback window, with the name of the video file displayed at the top of the toolbar.

5. Select File in the toolbar, then choose the Playback Style option. The MVI Configuration dialog box will appear.

Note: *The toolbar menu can be accessed without a mouse by depressing and holding down the ALT key and pressing the corresponding underlined letter.*

6. The MVI Configuration dialog box contain three main sections; the Windowed Enlargement Style, Full Screen Enlargement Style, and Minimum Full Screen Resolution. Each section is briefly explained below. The enlargement styles are explained in the "Motion Pixels (MVI) Configuration Resizing Options" on the next page.



Windowed Enlargement Style - Plays the video inside a framed window overlaid on top of the Program Manager Group (This style is similar to the standard Video for Windows AVI format with playback controls). When the video is being played back in a window, you may use the Play/Stop button in the lower left-hand corner of the video window to start and stop the video playback. Use the slider control to rewind/fast forward to a desired location in the video clip. The default resolution is None.

Fullscreen Enlargement Style - Blanks the screen, then plays the video in a framed window with a black background. Unlike the Windowed Enlargement Style, no control functions are available in the Fullscreen Enlargement Style. When the clip has completely played through, the Windowed Video clip and Program Manager will reappear. To stop the video during playback, press the Escape key on the computer keyboard. The default resolution is 4X HiColor Antialiasing.

Minimum FullScreen Resolution - Five different screen resolutions are available for FullScreen playback, ranging 320 x 200 pixels to 1024 x 768 pixels. The default resolution is 640 x 480 pixels.

Motion Pixels (MVI) Configuration Resizing Options

None: Video clip retains its original size.

Single Field: Video retains its original size, but odd fields are removed for fastest playback. Use this mode on slower computers to improve playback performance.

4x HiColor: Video plays back four times its original size in 32,768 colors (regardless of video adapter).

4x HiColor Interpolation: Video plays back four times its original size in 32,768 colors (regardless of video adapter), providing horizontal color enhancement.

4x HiColor Anti-aliasing: Video plays back four times its original size in 32,768 colors (regardless of video adapter). Antialiasing smoothes an image which contains areas of high contrast.

9x HiColor: Video plays back nine times its original size.

4x Palletized Anti-aliasing: Video plays back in 256 colors at 4 times its original size with improved playback performance compared to **4x HiColor** mode. Antialiasing smoothes an image which contains areas of high contrast.

9x Palletized: Video plays back in 256 colors at 9 times its original size. Works well for 160 x 120 video clips.

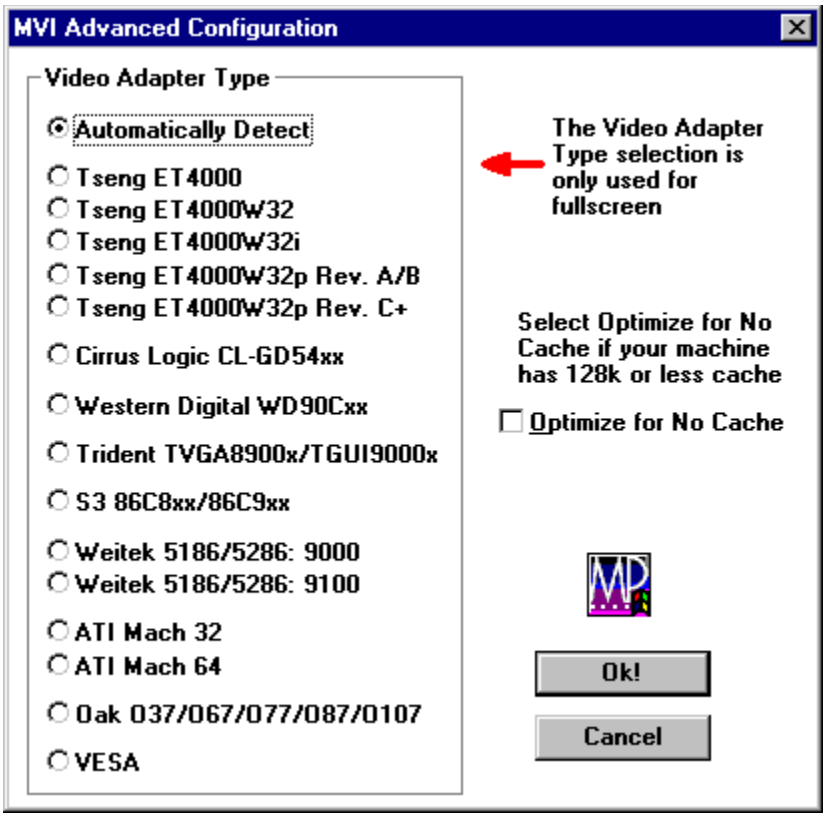
Grayscale: Video plays back at original size in black and white.

4x Grayscale: Video plays back at 4 times original size in black and white.

4x Grayscale Anti-aliasing: Video plays back at 4 times original size in black and white. Antialiasing smoothes an image which contains areas of high contrast.

9x Grayscale: Video plays back at 9 times original size in black and white.

7. The Advanced Options button in the MVI Configuration window contains options for forcing a video driver if the MviAware program cannot automatically detect the installed video chipset. Below is a list of supported video chipsets. The checkbox for Optimize for No Cache improves video performance for computers with 128K of cache memory or less. Click on OK to accept the any changes made and close this dialog box or click Cancel to undo any changes.



Note: *If your computer's installed video adapter cannot be detected or is not in the list of above chipsets, select the VESA driver option. The VESA driver should be supplied and installed with your particular video configuration.If your VESA driver is not available, contact your video card manufacturer.*

8. After a resizing mode has been chosen in the Windowed Enlargement Style dialog box or the FullScreen Enlargement Style box, click on OK to proceed.

9. Select the File option in the video toolbar once again and select a playback option: Play FullScreen will blank the screen, then play the video clip; Play In Window will play the video clip in the existing window.

Note: *The slider bar at the bottom of the window can be used to advance to different sections of the video. The small button in the lower left-hand corner will start playback from the current location of the slider. Playback can be stopped by pressing the Escape key on the computer keyboard.*

The File Menu

Open New Video - Loads a new AVI video clip compressed with the Motion Pixels codec from the currently selected directory. Other directories and drives can be selected from this dialog box.

Close This Video - Clears the video buffer of the currently loaded AVI file.

Play FullScreen - Blanks the screen, then plays the video clip with the selected MVI Configuration. See the previous section on choosing playback parameters.

Play In Window - Starts playback of the video clip from the current location of the slider bar at the bottom of the window. The Play In Window function is also accessible from the play button in the lower left-hand corner of the window.

Playback Style - See MVI Configuration section for resizing options.

No Audio (& Fast) - Enables or disables the audio track embedded in the video clip. Playback will run significantly faster with the audio disabled. The No Audio function is indicated by a checkmark.

Exit - Closes and exits from the MviAware program.

The Help! Menu

Contents - Opens the MVIAware Help file.

Status - Indicates if fast video mode is enabled and if a DCI driver for the video adapter is installed.

About - Displays the members of the Motion Pixels development team, copyright information, and the current version number.